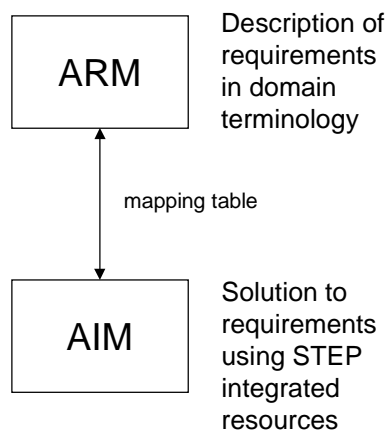
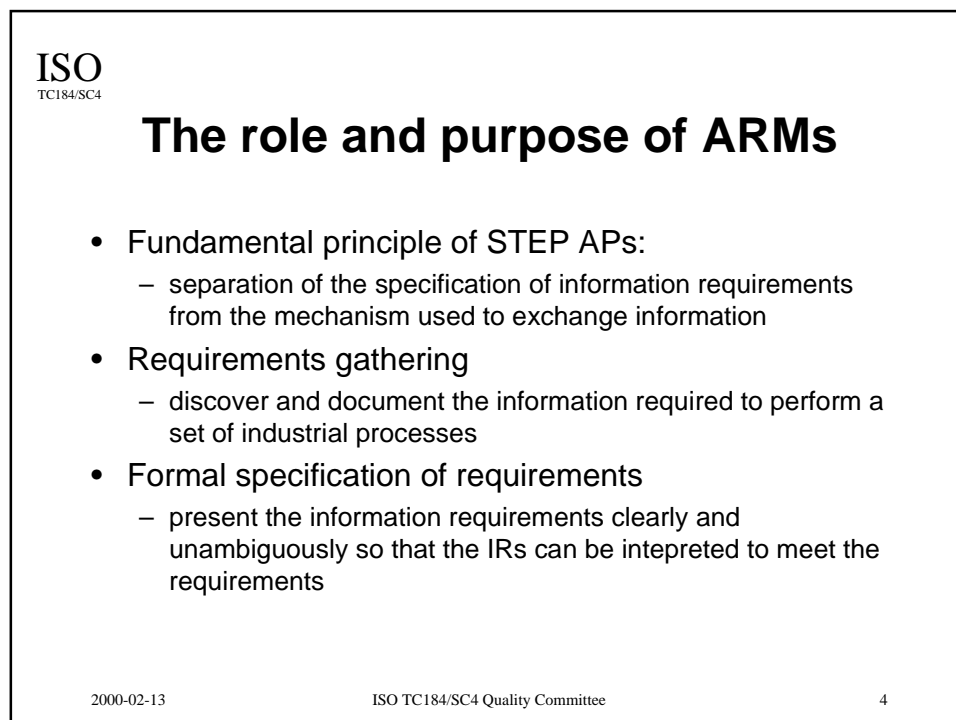
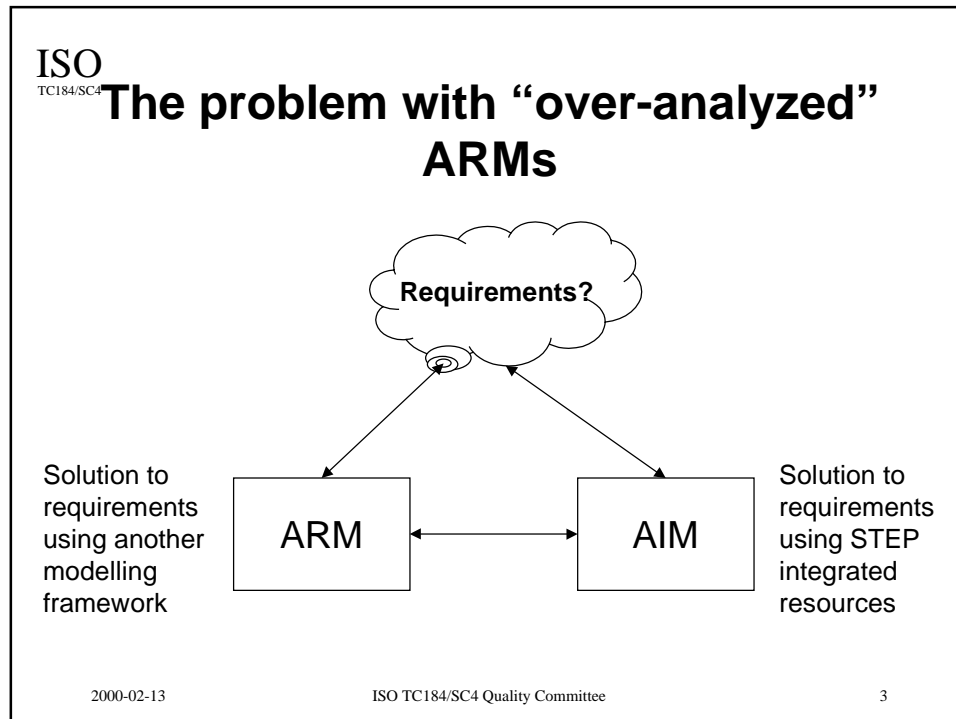


ARM Guidelines

- Purpose:
 - provide AP teams with guidance on “best practice” for ARM development
 - reflect experience of past AP developments
 - encourage ARM modelling practices that facilitate discovery and documentation of domain requirements
 - discourage ARM modelling practices that focus too heavily on solutions rather than requirements

Position of the ARM in the STEP AP Architecture





Issues

- Is EXPRESS-G / EXPRESS the best choice of language for ARMs?
 - what alternatives are there?
- Relationship between clause 4 (normative) and ARM (informative)
 - clause 4 doesn't allow representation of all features of a complex ARM
 - however, complex modelling structures may not be appropriate for the purposes of an ARM

How is an ARM used?

- “Target audience” for ARMs:
 - domain experts (during development and review)
 - implementers
 - STEP experts (during interpretation)
- Demands of these audiences may be different:
 - implementer may see the ARM as a fully detailed application view on the AIM

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ARM Guidelines

- Would such a document be useful?
- What should it contain?
- Who has interest (and resources) to help develop such a document?

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Applying the “KISS” principle

- ARM should be sufficiently detailed to allow a complete description of the information requirements
- Avoid modelling structures that do not occur in the domain information:
 - multiple inheritance, complex instances
 - modelling abstractions
 - structural inheritance
- Don't apply generic concepts

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